

FIG.8

TIME DIMENSIONAL LAYER RULE DEFINITION DATA 3110

```
#LAYER RULE :  
#AFTER CHARACTER ROW CONVERSION ON MEMBER, OBTAINING LAYER INFORMATION  
  
FROM MEMBER NAME  
LEVEL10= $ MEMBER NAME  
LEVEL11=[  
    S/¥(.... \ )0[123]/ \ 1Q1/  
    S/¥(.... \ )0[456]/ \ 1Q2/  
    S/¥(.... \ )0[789]/ \ 1Q3/  
    S/¥(.... \ )1[012]/ ¥ 1Q4/  
]  
LEVEL12=[  
    S/ \ (.... \ )../\ \ 1/  
]
```

FIG.17

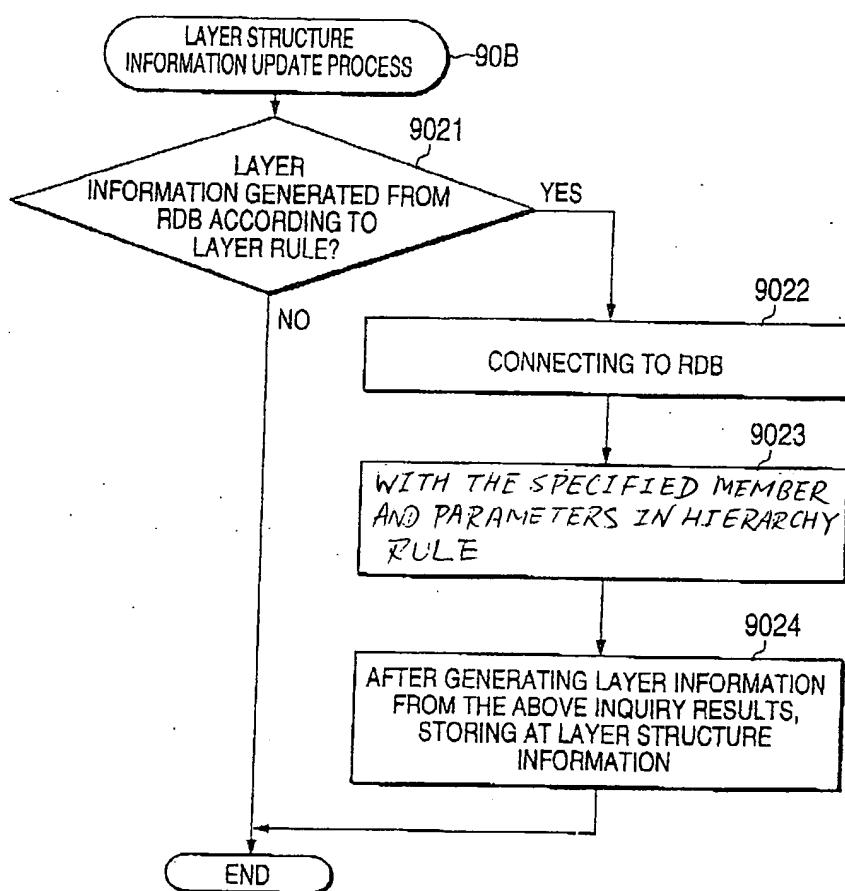


FIG.26

RETAIL STORE DIMENSION LAYER DEFINITION DATA

```
#MAIN LAYER RULE:  
#SEQUENTIALLY APPLYING SUBRULES  
APPLYING SUBRULE STORE_RULE1  
APPLYING SUBRULE STORE_RULE2  
  
#SUB LAYER RULE :STORE_RULE1  
#FROM CSV FILE, OBTAINING LAYER INFORMATION  
FROM FILE,CSV FILE1  
LEVEL 0=COLUMN 3  
LEVEL 1=COLUMN 2  
LEVEL 2=COLUMN 1  
  
#SUB LAYER RULE:STORE_RULE 2:  
#AFTER CHARACTER ROW CONVERSION ON RETAIL STORE, OBTAINING LAYER INFORMATION  
FROM MEMBER NAME  
LEVEL 0= $ MEMBER NAME  
LEVEL1={  
    S/\(JAPAN\).$/\1/  
}  
LEVEL 2={  
    ALL SALES TERRITORIES  
}
```

3140
3141
3142

FIG.27

3340

199901, EASTERN JAPAN SAPPORO STORE, TVs, 17, 1870000
199902, HIROSHIMA STORE, VIDEOS, 42, 2940000
199903, EASTERN JAPAN SAPPORO STORE, REFRIGERATOR, 15, 1350000

FIG.17

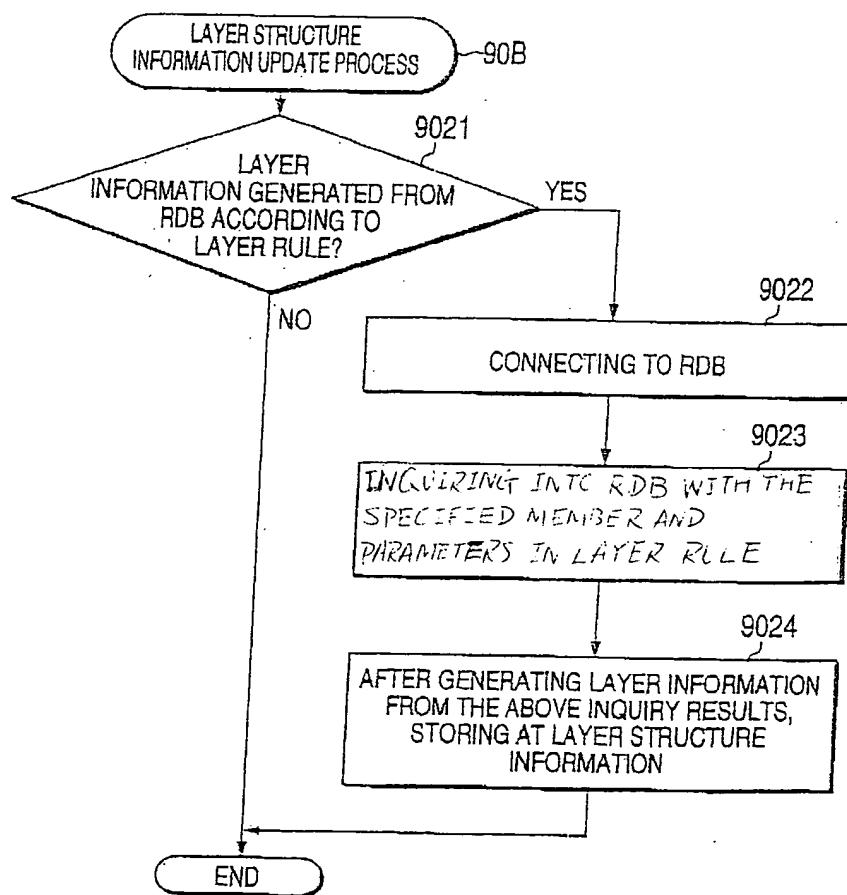


FIG.15

MERCHANDISE DIMENSIONAL LAYER RULE DEFINITION DATA 3130
#LAYER RULE: RDB TABLE 'PRODUCT MASTER TABLE'
#OBTAINING FROM COL1,COL2
FROM RDB TABLE 'PRODUCT MASTER TABLE'
LEVEL 0=SMALL CLASSIFICATION
LEVEL 1=LARGE CLASSIFICATION
LEVEL 2="ALL MERCHANDISE"

FIG.16

CONTENT OF RDB PRODUCT MASTER TABLE

LARGE CLASSIFICATION	SMALL CLASSIFICATION
HOME APPLIANCE	WASHERS
HOME APPLIANCE	REFRIGERATORS
AV	TVs
AV	VIDEOS
COMPUTERS	PCs

FIG.11

RETAIL STORE DIMENSIONAL LAYER RULE DEFINITION DATA 3120
}
#LAYER RULE :
#OBTAINING LAYER INFORMATION FROM CSV FORMATTED FILE
FROM FILE,CSV FILE
LEVEL0=COLUMN 3
LEVEL1=COLUMN 2
LEVEL2=COLUMN 1

FIG.12

3126
}
ALL AREAS,EASTERN JAPAN,CHIBA STORE
ALL AREAS,EASTERN JAPAN,SAITAMA STORE
ALL AREAS,EASTERN JAPAN,YOKOHAMA STORE
ALL AREAS,WESTERN JAPAN,OSAKA STORE
ALL AREAS,WESTERN JAPAN,HIROSHIMA STORE

FIG.8

3110
TIME DIMENSIONAL LAYER RULE DEFINITION DATA

```
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#AFTER CHARACTER ROW CONVERSION ON MEMBER, OBTAINING LAYER INFORMATION  
  
FROM MEMBER NAME  
LEVEL10= $ MEMBER NAME  
LEVEL11={  
    S/¥(... \)0[123]/\1Q1/  
    S/¥(... \)0[456]/\1Q2/  
    S/¥(... \)0[789]/\1Q3/  
    S/¥(... \)1[012]/\1Q4/  
}  
LEVEL12={  
    S/  (... \)../\1/  
}
```